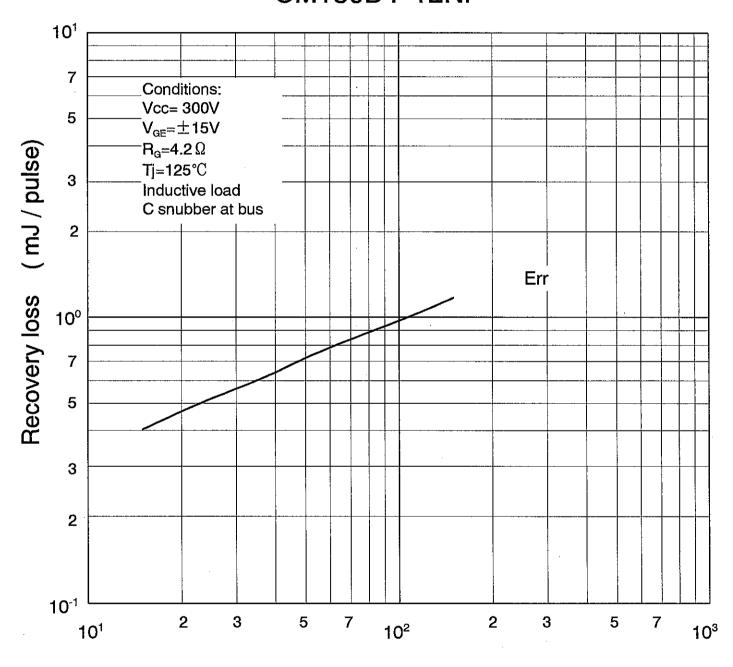
MITSUBISHI ELECTRIC CORPORATION

| APPLICATION | NOTE | Prepared by | S. Uchida | | Rev | | |
|-------------|------|-------------|------------|--------------|-----|--|--|
| | | Approved by | Mr. Tabata | 2-Pec, - '02 | | | |

CMH5160.doc

Recovery Loss vs. IE (typical) CM150DY-12NF



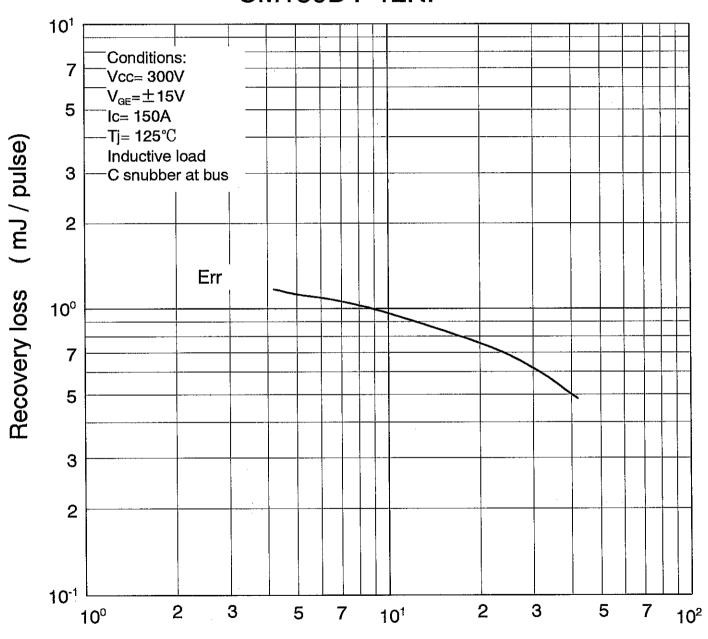
Emitter Current IE (A)

| IGBT Module | CMH-5160- | APPLICATION | NOTE | | | |
|-------------|-----------|-------------|------|--|--|--|
| | | | | | | |

MITSUBISHI ELECTRIC CORPORATION

| APPLICATION | NOTE | Prepared by | Dave | |
|-------------|------|-------------|------|--|
| | | Approved by | Kev | |

Recovery Loss vs. Gate Resistance (typical) CM150DY-12NF



Gate resistance Rg (Ω)

| IGBT Module | CMH-5160- | APPLICATION NOTE |
|-------------|-----------|------------------|